



Conventional & Reverse Circulation Water Well Drilling
Domestic • Agricultural • Industrial • Test Holes • Monitor Wells

Contractor's License #133783-C57A

20 W. KENTUCKY AVE. • WOODLAND, CA 95695 • (530) 662-6795 • FAX (530) 662-3342

August 27, 2021

Sheila Carbahal
Winters Cemetery District

Re: Small Diameter Agriculture Well Recommendations – Yolo County Project

Dear Sheila Carbahal:

The following will be our costs and recommendations to drill a new agriculture well on your proposed site located near Winters in Yolo County. Included are the steps and procedures that we follow in completing this type of well.

In our proposal we have included a preliminary small diameter test hole in our drilling costs. Comparing electric logs to other existing data illustrates a variation in the amounts, and location of water bearing formation in an area. Drilling the preliminary test hole provides the opportunity to select alternative drilling sites if it does not appear that the test hole location contains amounts and quality of water-bearing formation representative to an area.

The quantities of material and services included in our proposal are estimated. The estimations are based on similar wells drilled in the general area. The actual quantities to be used to complete the well will be based on the conditions at the site. Pricing has been included for special drilling methods in the event that hard consolidated formations are encountered. In this event we will review the project with you before continuing forward.

We include standard water well industry chlorinating procedures as part of our well construction techniques. Even with these steps it may take several months and repeated treatments with chlorine bleach before a well has two negativity tests and the final permit sign off is granted some county agencies.

Our proposal includes costs for a well using a standard well design. After the completion of the initial drilling phase of the project, it may be possible to include some additional items in the well design to take full advantage of available conditions.

In our proposal we have included for the installation of a 20- foot cement surface seal. In the final well completion, the depth of the cement surface seal offering the greatest amount of protection will extend to include a portion of any clay material located below the first gravel, or water-bearing zone.

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Our standard cleanup is included in the prices for the completed well. Our crew will clean the site when they remove the well drilling equipment, but due to the nature of well drilling, they will not be able to totally restore the site because of the dampness of the area. Our standard cleanup does not include the containment and removal of the drilling fluids, cuttings, or development water; and does not include refilling the mud pit. Should you feel it necessary for our crew to return to the site for further restoration of the area we will gladly revisit the site for additional costs. The additional cleanup costs will be based on time and materials according to the specific needs of the project.

Many counties require the well to pass a water quality analysis before they will finalize the well for use. Often the water will need to show an absence for total coliform and Nitrate levels below their set threshold. Eaton Drilling does not have control over and so does not take responsibility for the quality of the water found in the formations. In the event of water quality issues, we can offer our services to work with the customer in treating and resolving them to the county's and customer's satisfaction.

Due to the cost of materials and labor, all monies due are NET 10 DAYS. If paid within 10 days, a 1% discount will be credited. If payment is received upon receipt of invoice, a 2% discount will apply.

If you have further questions, please do not hesitate to contact me.

Sincerely,

Matt Hunt

Domestic Well Construction Proposal

Winters Cemetery

400' 8" SDR-17 PVC Well

Item Number	Description	Amount	Unit Price	Total
1.)	Subcontract / Mobilization	1	\$ -	\$ -
2.)	Yolo County Well Construction Permits	1	\$ 660.00	\$ 660.00
	County OverTime	0	\$ 152.00	\$ -
3.)	Ream Borehole to 17 - inches in diameter Standard Mud Rotary Method	410	\$ 60.00	\$ 24,600.00
4.)	Hard Consolidated Formations Method - Hard consolidated formations identified in test hole phase	0	\$ 180.00	\$ -
5.)	Geophysical Survey - Electric Log	1	\$ 2,000.00	\$ 2,000.00
6.)	Supply and Install SRI#8 (8x16) Graded Sand Estimated Lineal Feet	390	\$ 335.00	\$ 9,966.00
	Estimated Tons	29.75		
7.)	Lineal Feet Of Cement Seal Cubic Yards of Material Installed	20 1.25	\$ 325.00	\$ 406.00
8.)	Grout Pump Service Charge	1	\$ 950.00	\$ 950.00
9.)	Supply and Install 8" SDR-17 PVC Certa-Lok Blank Well Casing	340	\$ 54.25	\$ 18,445.00
10.)	Supply and Install 8" SDR-17 PVC Certa-Lok Slotted Well Casing	60	\$ 63.50	\$ 3,810.00
11.)	Preliminary Development	1	\$ 1,500.00	\$ 1,500.00
Costs For Drilling a Standard 8-5/8-Inch Well (Items 1 - 11)				\$ 62,337.00
Options (Not included in totals) Less Cost of Standard Items				
12.)	Well Chlorination			
	Labor - Hour	0	\$ 120.00	\$ -
	Supply Chlorine - Gallon	0	\$ 10.00	\$ -
13.)	Construction Water Supply (15% Markup upon receipt)	0	\$ 1,000.00	\$ -
Less 2 Percent Cash Discount For Project Prices Subject to change after 7 days				\$ 1,246.74

Acceptance of Proposal: The above price, specifications, and conditions are satisfactory and are hereby accepted. Eaton Drilling is authorized to do the work as specified.

X Sheila Carls - District Manager Date 8/20/21
 Owners' Signature of Acceptance Winters Cemetery